

Busway Cold Aisle Low Loss Manufacturer



Overview

Accelelevation | Custom data center containment systems Whether ceiling hung or integrated with aisle structure, our containment solutions are manufactured on.

Key Takeaways

Leading manufacturers for busway systems and cold aisle containment include Vertiv, Eaton, Schneider Electric, and Accelelevation, offering low-loss, scalable, and efficient data center solutions. Vertiv

Vertiv provides SmartAisle solutions that integrate modular busway, precision cooling, and aisle containment for data centers. Their MB Modular Busway delivers power directly to rack PDUs, reducing cable clutter and line loss, while cold aisle containment separates hot and cold air to improve efficiency. Vertiv solutions are scalable from a few racks to large enterprise environments and can be deployed in both raised floor and non-raised floor setups, with flexible rack PDUs and comprehensive infrastructure management software for monitoring and control .

Eaton

Eaton's XAP series busway is designed for low-loss, high-efficiency power distribution in data centers. The system features a continuous open channel design, allowing plug-in boxes to be positioned anywhere along the rails for maximum flexibility. Eaton emphasizes safety, excellent conductivity, and compatibility, providing a cost-effective alternative to traditional overhead power distribution. Their busway products are manufactured at Eaton Busway (Jiangsu) Co., Ltd., with certifications including CCC, CE, ASTA, and KEMA .

Schneider Electric

Schneider Electric offers a range of busway solutions, including Powerbus, I-Line, and Power-Zone Metal-Enclosed Busway, suitable for various data center applications. Their products are distributed through authorized dealers, providing support for installation, maintenance, and integration with existing IT infrastructure .

Accelelevation

Accelelevation specializes in custom data center containment systems, including cold aisle and hot aisle containment. Their modular panels are manufactured in-house for flexibility and durability, with options for freestanding or ceiling-hung installations. Features include sliding or hinged doors, pneumatic soft-close mechanisms, and customizable widths to fit any aisle configuration. These solutions are designed to reduce material costs while maintaining rigidity and low profile for efficient airflow management .

Summary

For low-loss busway and cold aisle containment, these manufacturers provide:

- Vertiv: Integrated SmartAisle with modular busway and precision cooling.
- Eaton: XAP series busway with low line loss and flexible plug-in positioning.
- Schneider Electric: Multiple busway types for scalable power distribution.
- Accelelevation: Customizable, modular cold aisle containment panels. These solutions are suitable for data centers seeking energy efficiency, scalability, and reduced operational costs while maintaining flexibility for future IT growth.

Article Content

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Busway and Cable Management | Schneider Electric USA

Busway and Cable Management Busway, manufactured by Schneider Electric, offers a complete line of compatible feeder and plug

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

